

Abstract of the Disclosure

Tone wheel testing apparatus and the test method using the apparatus are disclosed. Tone wheel testing apparatus comprising a surface adjusting means for holding in the horizontal position an annular object to be tested to which a tone wheel is attached, the means comprising a pair of pressing members between which the object is held, and the one of the pressing members having a reference surface with which the tone wheel is contacted in order to make the tone wheel align in the rotary axis direction of the object, a rotatable chucking means for seizing the object so as to make the center of the object align with its rotary center when the object is held by the surface adjusting means, and a magnetic testing sensor disposed adjacent to the tone wheel of the object so as to face each other. According to which, the up and down appear on the tone wheel surface in the circumferential direction are corrected and the gap between the testing sensor and the tone wheel is accurately maintained, thereby enabling an appropriate setting arrangement of tone wheel for accurate measurement of the array pitch of each pole and the magnetic force.